

Bond Estimate

Union Carbide - Deremo Mine ACT/037/025  
2/1/84

A. Removal of Structures (vent hole substations)

18-ton Bantam Crane T588	2 days @ \$410/day	\$ 820
Labor	48 hrs @ \$15/hr	720
	Total	<u>\$1,540</u>

B. Removal of Trash & Extraneous Debris (bury)

20 yd <sup>3</sup> end dump truck	1 day @ \$370	\$ 370
3-1/2 yd <sup>3</sup> Cat loader	1 day @ \$630	630
Labor	24 hrs @ \$15/hr	360
	Total	<u>\$1,360</u>

C. Pond Area: Contouring, Excavating Bottom (1.1 acres)

5 yd <sup>3</sup> 980 D Cat Loader	2 days @ \$1995/wk	\$ 798
20 yd <sup>3</sup> End Dump Truck	2 days @ \$1470/wk	588
14G Cat Grader	1 day @ \$2815/wk	563
D9 Cat w/ripper	1 day @ \$4105/wk	821
Labor	96 hrs @ \$15/hr	1,440
	Total	<u>\$4,210</u>

D. Contouring Stockpiles

3.4 acres @ \$1800/acre (Hecla estimate)	\$6,120
Contouring, regrading roads & vent shaft sites	
2.5 acres @ \$85/acre (Hecla estimate)	212
	Total <u>\$6,332</u>

E. Topsoil Placement & Grading on Stockpiles

3.4 acres @ \$1400/acre (Hecla estimate)	Total \$4,760
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F. Capping of Vertical Shafts 6 ea. @ \$1200/ea. Total \$ 7,200

(Hecla estimate) The 1978 bond estimated 3 vent shafts. Due to a recent agreement with Atlas Minerals, a joint venture was signed to mine additional areas not known in 1978. Therefore, a greater number of vent shafts will be required. No additional acreage will be needed for waste disposal.

G. Stabilization, Reseeding of Ponds, Waste Piles & Roads

7.0 acres @ \$62/acre (Hecla Estimate) Total \$ 434

H. Monitoring, Sampling & Necessary Testing Total \$ 3,000

Sub-Total A thru H \$28,836

I. Contingency, 10% Total \$ 2,884

GRAND TOTAL A THRU H \$31,720

#### Conditions

1. Hourly rates are based on weekly rental rates because equipment would be used on all phases of reclamation of the Deremo.
2. It is felt that 7.0 acres of disturbance will be required and the permit and bond be set for that amount.
3. Costs per acre were developed on the Hecla Mine bond estimate. It is assumed that similar conditions will prevail at all eastern Utah operations.
4. Variances from 1978 estimates are due to revised cost estimates, final reclamation procedures, and continuation of the Atlas Minerals joint venture.

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